

Remarks

Claims 1-34, 39-40, and 42-47 are pending in the application. Claims 35, 36, 38, and 41 have been canceled. Claim 37 was canceled in Amendment D. Claims 1, 21-30, and 34, 39-40, and 43 have been amended. New dependent claims 44-47 have been added. No new matter has been added by virtue of this amendment. Reconsideration of the application as amended is requested.

Allowance

Applicant would like to thank the Examiner for indicating that claims 1-20, 31-33-34, and 39-42 are allowed.

The Examiner states that "the claims have been interpreted as being drawn to the combination of the hub, shaft, and pulley, gear or wheel."

Claim 21 has been amended to make explicit that it includes the combination of the hub, the shaft, and the pulley, gear or wheel, to make explicit what the Examiner interpreted.

Claim 39 has been amended to make clear that it includes only the combination of the hub and device. Dependent claim 46 has been added to expressly include the shaft with the combination of the hub and the device included in claim 39. Thus, claim 39 does not include the shaft in the combination.

Claims 1, 34, and 43 have been amended to make clearer that they include the hub and its mounting surface. Dependent claims 44, 45, and 47 have been added to expressly include the shaft and the device or the shaft and the pulley, gear or wheel along with the hub and its mounting surface. Thus, claims 1, 34, and 43 do not include the shaft and the device or the shaft and the pulley, gear or wheel in the combination.

Drawings

A proposed drawing correction is attached showing the shaft.

Claim Objections

Claim 35 has been canceled as requested by the Examiner.

Claim Rejections--35 U.S.C. § 102(b)

The Examiner rejects claims 21, 22, 23, 25, 30, 36, 38, and 43 under 35 U.S.C. § 102(b) as being anticipated by Siner. With respect to the rejection of claim 21, the examiner states that "Siner discloses a hub comprising a first opening 5) extending axially into the hub, the first opening having an inner surface, the first opening having a first end and a second end (see FIG. 5); an integral stop (22) extending across only a portion of the first end, a mounting surface (outside area above 26) having a position for mounting the pulley, gear, or wheel on the hub."

However, claim 21 has been amended as follows:

a pulley, gear, or wheel mounted on said hub;

a shaft extending through said hub and through said pulley, gear, or wheel, said shaft having a shaft end.

There is no teaching or suggestion in Siner to provide **a pulley, a gear, or a wheel**. Nor is there teaching or suggestion in Siner to provide **"a shaft extending through . . . said pulley, gear, or wheel."** Siner provides disc 12, which is not a pulley, gear, or wheel. Furthermore, in Siner the shaft extends only part way into the hub and does not extend through a pulley, gear, or wheel or even through his disc 12 before meeting the integral stop.

Furthermore, Siner is teaching a servo-motor having disc 12 which is subject to high stresses, often suddenly applied, as described in column 1, lines 19-20. Siner's purpose is to avoid failure from these stresses. Adding a pulley, gear, or wheel to a mounting surface on hub 14, along with disc 12, would only increase the stresses, defeating the purpose of Siner. Thus, it would not be obvious to add a pulley, gear, or wheel, or any other device to a mounting surface on hub 14 along with disc 12. Therefore, the rejection of claim 21 as amended, and claims dependent thereon, has been traversed.

Claim 43 as amended states:

wherein said mounting surface is located so that when the pulley, gear, or wheel is mounted on said mounting surface, and when said hub is disposed on the shaft and the shaft extends to said integral stop, the shaft extends through the pulley, gear, or wheel.

There is no teaching or suggestion in Siner to provide a mounting surface located

so that when a pulley, gear, or wheel is mounted on the mounting surface and when a shaft is installed through the hub and extends to the integral stop, the shaft extends through the pulley, gear, or wheel. In Siner the shaft does not extend through his disc 12 before meeting the integral stop. Furthermore, as described above, under the discussion of claim 21, unwanted stresses would be added by including a pulley, gear, or wheel on a mounting surface along with disc 12 of Siner, defeating a purpose of Siner. Therefore, the rejection of claim 43 as amended, and claims dependent thereon, has been traversed.

Claim Rejections--35 U.S.C. § 103(a)

The Examiner states that claims 24 and 26-29 are rejected as being unpatentable over Siner as discussed above. As described herein above under the discussion of the rejection under 35 U.S.C. § 102(b), it would not be obvious to include a pulley, gear, or wheel on hub 14 along with disc 12 in Siner since operation of one of these devices would add unwanted stresses that Siner is trying to overcome.

If a pulley, gear or wheel were added further invention would be needed to mount and operate both servo disc 12 and the pulley, gear, or wheel on hub 14. Additional invention would also be needed to provide a use for such a combination of a servo disc with a pulley, gear, or wheel. No teaching or suggestion to provide both servo member and pulley, gear, or wheel on hub 14 is provided in Siner. Such a combination would increase the stress rather than overcome stress, as intended by Siner. Only by hindsight from present invention is this combination contemplated, and doing so would interfere with the servo motor function of Siner. Since claim 21 is clearly distinguished, the dependent claims are also distinguished, and the rejection of claims 24 and 26-29 has been traversed.

Entry of the Amendment

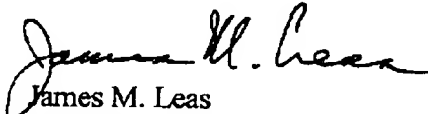
Applicant is presenting this amendment under 37 CFR 1.116. The present amendments address the interpretation first raised in the office action and make clearer what elements are claimed and what are not. The present amendment also provides limits similar to those in other allowed claims that overcome the problems raised in the rejection of independent claims 21 and 43. The present amendments do not introduce new matter or new issues for search or consideration. They materially assist in placing the application in condition for allowance. The amendment presents four additional dependent claims for the purpose of clarifying the interpretation issue raised by the examiner, but the new claims do not raise new issues for search or consideration. Applicant respectfully requests that the proposed amendment should be given sufficient consideration to determine whether the claims are in condition for allowance and/or whether the issues on appeal are simplified.

Request for telephone interview

Applicant further requests the opportunity to discuss this amendment with the Examiner by telephone at her earliest convenience to address any issues the Examiner finds so that the case can pass to issuance. Please call applicant's attorney at 802 864-1575.

It is believed that all the claims are in condition for allowance. Therefore, applicant respectfully requests favorable reconsideration. If there are any questions please call applicant's attorney at 802 864-1575.

Respectfully submitted,
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